

Title (en)

PRINTING MACHINE AND METHOD FOR MONITORING STATE OF PRINTING MACHINE

Title (de)

DRUCKMASCHINE UND VERFAHREN ZUR ÜBERWACHUNG DES ZUSTANDES EINER DRUCKMASCHINE

Title (fr)

MACHINE D'IMPRESSION ET PROCÉDÉ DE SURVEILLANCE D'ÉTAT DE MACHINE D'IMPRESSION

Publication

EP 3970975 A1 20220323 (EN)

Application

EP 20805603 A 20200204

Priority

- JP 2019090882 A 20190513
- JP 2020004061 W 20200204

Abstract (en)

The purpose of the present invention is to accurately grasp the state of a printing machine and monitor abnormality. A printing machine 1 is provided with: a printing plate 14 that is attached to a plate cylinder 13; a blanket 25 that transfers ink having been supplied to the printing plate 14 onto an object P to be printed; and a blanket wheel 20 that rotates the blanket 25. The printing machine 1 is characterized by being provided with a distance sensor 71 that is provided inside the blanket wheel 20 and measures the distance of the printing plate 14 to the blanket wheel 20, and/or a temperature sensor 75 that is provided inside the blanket wheel 20 and measures the temperature of the printing plate 14.

IPC 8 full level

B41F 17/22 (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP US)

B41F 13/193 (2013.01 - EP US); **B41F 13/36** (2013.01 - US); **B41F 17/002** (2013.01 - EP); **B41F 17/22** (2013.01 - EP US); **B41F 33/00** (2013.01 - US); **B41F 33/0009** (2013.01 - EP); **B41F 33/0072** (2013.01 - EP); **B41F 33/02** (2013.01 - EP); **B41F 33/14** (2013.01 - EP); **G01K 1/00** (2013.01 - EP); **G01K 13/08** (2013.01 - EP); **G01L 5/00** (2013.01 - EP); **B41P 2233/10** (2013.01 - EP); **G01J 5/0022** (2013.01 - EP); **G01J 5/047** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3970975 A1 20220323; **EP 3970975 A4 20230607**; JP 2020185701 A 20201119; JP 6733777 B1 20200805; US 2022055364 A1 20220224; WO 2020230378 A1 20201119

DOCDB simple family (application)

EP 20805603 A 20200204; JP 2019090882 A 20190513; JP 2020004061 W 20200204; US 202117516806 A 20211102